

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1. (Cancelled)
2. (Cancelled)
3. (Currently Amended) ~~The active noise control system as described in Claim 2 wherein said ANC unit comprises:~~ An active noise control (ANC) system comprising:
 - a source unit for generating regenerative signals;
 - an ANC unit for processing signals so as to actively cancel noise;
 - sensors for detecting information on the inside and outside of a vehicle;
 - a vehicle interior voice discriminating unit for discriminating voice of conversation in the interior of the vehicle;
 - an amplifier for amplifying the signals processed by said ANC unit;
 - a reproducing transducer for reproducing the signals amplified by said amplifier;
 - a first filter for allowing the output signals outside of the voice band supplied from said sensors to go through;
 - a first adaptive filter for eliminating noises outside of the voice band from the output of said first filter;
 - a second filter for allowing the output signals within the voice band supplied from said sensors to go through;
 - a switching unit for switching operations so as to select one of allowing passage of all the output from said second filter without filtration when voice is present in said vehicle interior and allowing the output from said second filter to pass through a second adaptive filter for eliminating noises within the voice band when no voice is present in said vehicle interior; and
 - a mixer for mixing the output from said first adaptive filter and the output from said switching unit-, wherein said ANC unit is structured so as to change processing effect thereof on noise in a voice band according to control signals supplied from said vehicle interior voice discriminating unit.
4. (Currently Amended) ~~The active noise control system as described in Claim 2 wherein said ANC unit comprises:~~ An active noise control (ANC) system comprising:

_____ a source unit for generating regenerative signals;
_____ an ANC unit for processing signals so as to actively cancel noise;
_____ sensors for detecting information on the inside and outside of a vehicle;
_____ a vehicle interior voice discriminating unit for discriminating voice of conversation in the interior of the vehicle;
_____ an amplifier for amplifying the signals processed by said ANC unit;
_____ a reproducing transducer for reproducing the signals amplified by said amplifier;
a filter for allowing the output signals outside of the voice band supplied from said sensors;
a switching unit for switching so as to select one of allowing passage of all the output signals from said sensors without filtration when voice is present in said vehicle interior and allowing the output signals to pass through said filter when no voice is present in said vehicle interior-, wherein said ANC unit is structured so as to change processing effect thereof on noise in a voice band according to control signals supplied from said vehicle interior voice discriminating unit.

5. (Original) The active noise control system as described in Claim 3 wherein factors of said first and second adaptive filters can be arbitrarily set by switching so as to be continuously updated and fixed.

6. (Cancelled)

7. (Cancelled)

8. (Currently Amended) ~~The active noise control system as described in Claim 7~~ An active noise control (ANC) system comprising:

_____ a source unit for generating regenerative signals;
_____ an ANC unit for processing signals so as to actively cancel noise;
_____ sensors for detecting information on the inside and outside of a vehicle;
_____ a vehicle interior voice discriminating unit for discriminating voice of conversation in the interior of the vehicle;
_____ an amplifier for amplifying the signals processed by said ANC unit;
_____ a reproducing transducer for reproducing the signals amplified by said amplifier;

wherein said sensors include one of a type for detecting vehicle interior sounds, engine sound, and sounds and vibrations outside of the running vehicle, a type for detecting information on factors affecting the acoustic space of the vehicle such as the number of passengers and the location thereof and a type for detecting operating conditions of the vehicle;

wherein said sensors for detecting the location of passengers are arranged in predetermined positions and the number of sensors are such that generated voice can be located;and,

wherein said sensors for detecting the location of passengers are microphones placed in the vicinity of the heads of passengers.

9.-12. (Cancelled)

13. (Original) The active noise control system as described in Claim 3 wherein said ANC unit has a fail-safe unit for stopping noise reduction operation when the operation is ineffective.

14. (Original) The active noise control system as described in Claim 13 wherein said fail-safe unit also operates when the signals from said source unit are in a higher level.

15. (New) The active noise control system of claim 8, wherein said operating conditions include engine speeds and running speeds.